

10th Class 2021

Chemistry	Group-II	Paper-II
Time: 15 Minutes	(Objective Type)	Marks: 12

Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

1-1- Which one of the following is tasteless:

- (a) Starch ✓ (b) Glucose
(c) Fructose (d) Sucrose

2- Which one of the following is a raw material for urea:

- (a) CO (b) CO₂ ✓
(c) N₂ (d) NO₂

3- The formula of ethyl radical is:

- (a) C₃H₇ - (b) C₂H₅ - ✓
(c) C₂H₄ (d) C₃H₆ -

4- The pH of acid rain due to air pollutants become:

- (a) 3 (b) 4 ✓
(c) 8 (d) 9

5- Concentration is a:

- (a) Mixing technique
(b) Boiling technique
(c) Separating technique ✓
(d) Cooling technique

- 6- For the reaction $\text{N}_{2(g)} + 3\text{H}_{2(g)} \rightleftharpoons 2\text{NH}_{3(g)}$, what will be present in the equilibrium mixture?
(a) NH_3 only (b) N_2 , H_2 and NH_3 ✓
(c) N_2 and H_2 only (d) H_2 only
- 7- Substitution reaction is the characteristic of:
(a) Alkanes ✓ (b) Alkenes
(c) Alkyl (d) None of these
- 8- The colour of HI is:
(a) Colourless ✓ (b) Purple
(c) Green (d) Red
- 9- Which one of the following is primary pollutant:
(a) HNO_3 (b) H_2SO_4
(c) CO ✓ (d) H_2CO_3
- 10- The formula of butyne is:
(a) C_4H_8 (b) C_4H_{10}
(c) C_4H_6 ✓ (d) C_4H_{12}
- 11- Just above the earth's surface is:
(a) Mesosphere (b) Stratosphere
(c) Thermosphere (d) Troposphere ✓
- 12- Which compound causes temporary hardness of water:
(a) CaSO_4 (b) MgSO_4
(c) MgCl_2 (d) $\text{Ca}(\text{HCO}_3)_2$ ✓